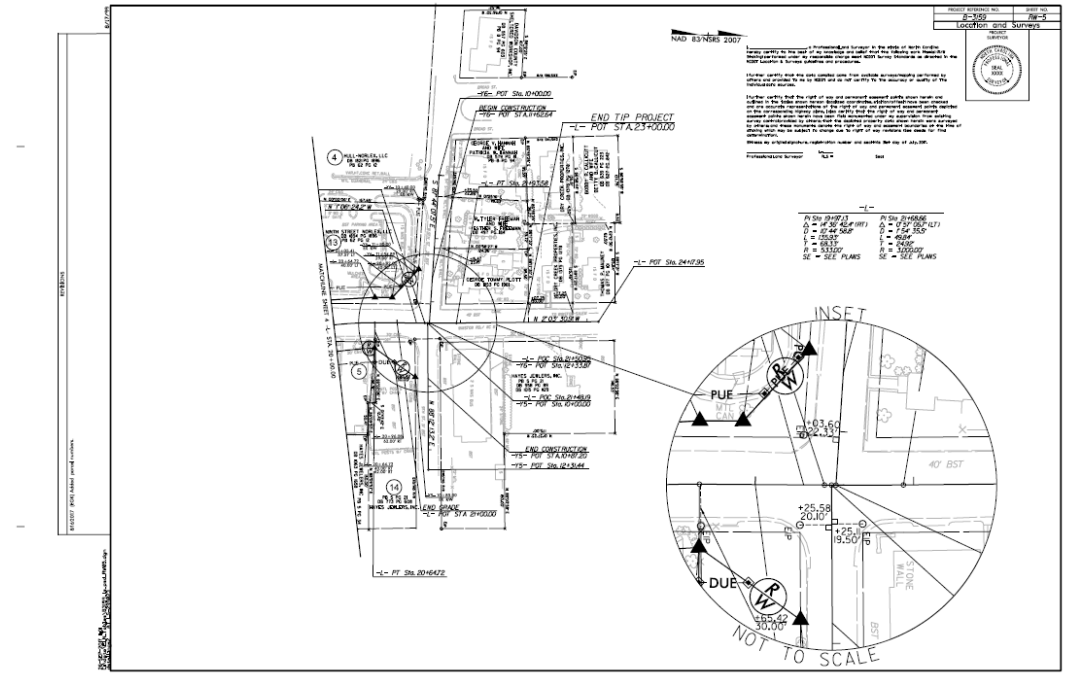


Creating Greyscale PDF RW Sheets in Microstation

Following is the procedure to be used to create greyscale PDFs of RW, right-of-way sheets. October 2017 was the date when this requirement was put in place.



UPDATE YOUR WORKSPACE

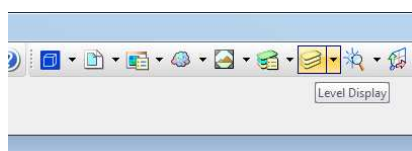
First, update the NCDOT workspace. A variety of files were created and modified to create this new feature. These changes were added to the NCDOT L&S workspace 10/2017. If you have not updated your workspace since 10/2017 you must update before you can create the greyscale PDF's in MicroStation.

Run MicroStation

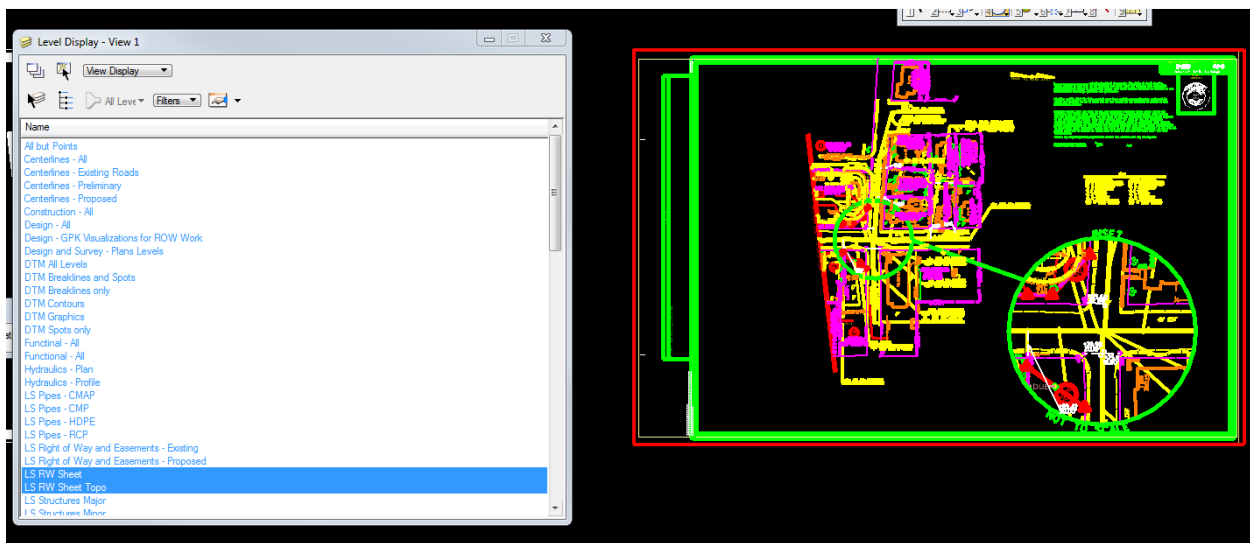
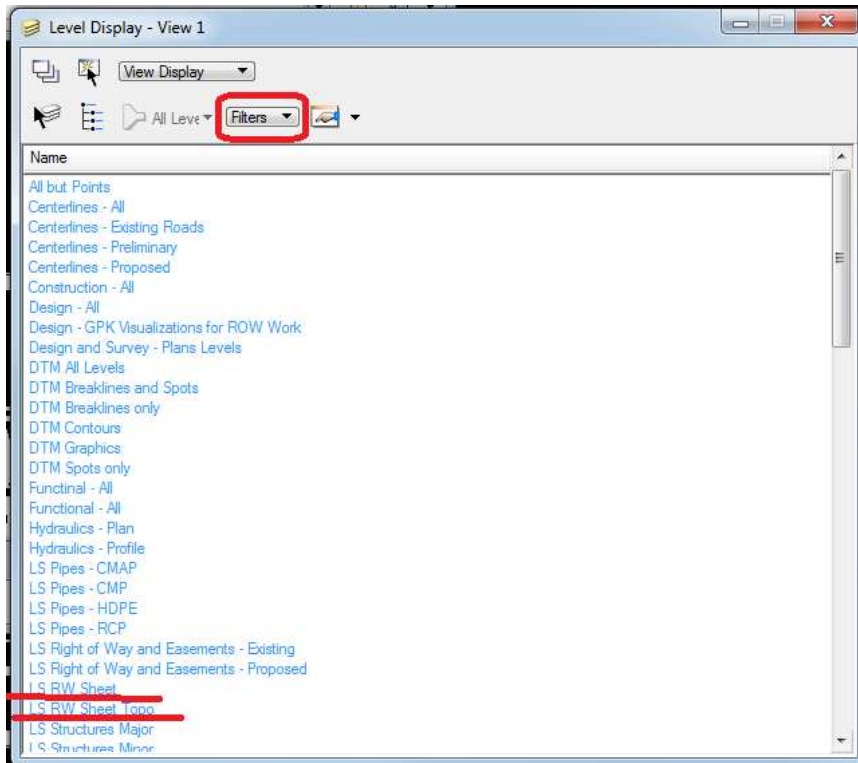
Run MicroStation using MS_Start with the Location & Survey workspace opening the .dgn file that you wish to create a PDF of.

Displaying the RW Levels

Two new display filters have been added to the Location & Survey workspace to facilitate displaying the RW levels that will be included in the plot. Choose the 'Level Display' option from MicroStation's Primary tool bar.



Make sure the 'Level Display' dialog box is set up to display the filters. If you opened the dgn file using MS Start and chose the Location workspace there should be two filters, 'LS RW Sheet' and 'LS RW Sheet Topo'. 'LS RW Sheet' displays the levels that will be displayed in black. 'LS RW Sheet Topo' contains the levels that will be displayed in grey.

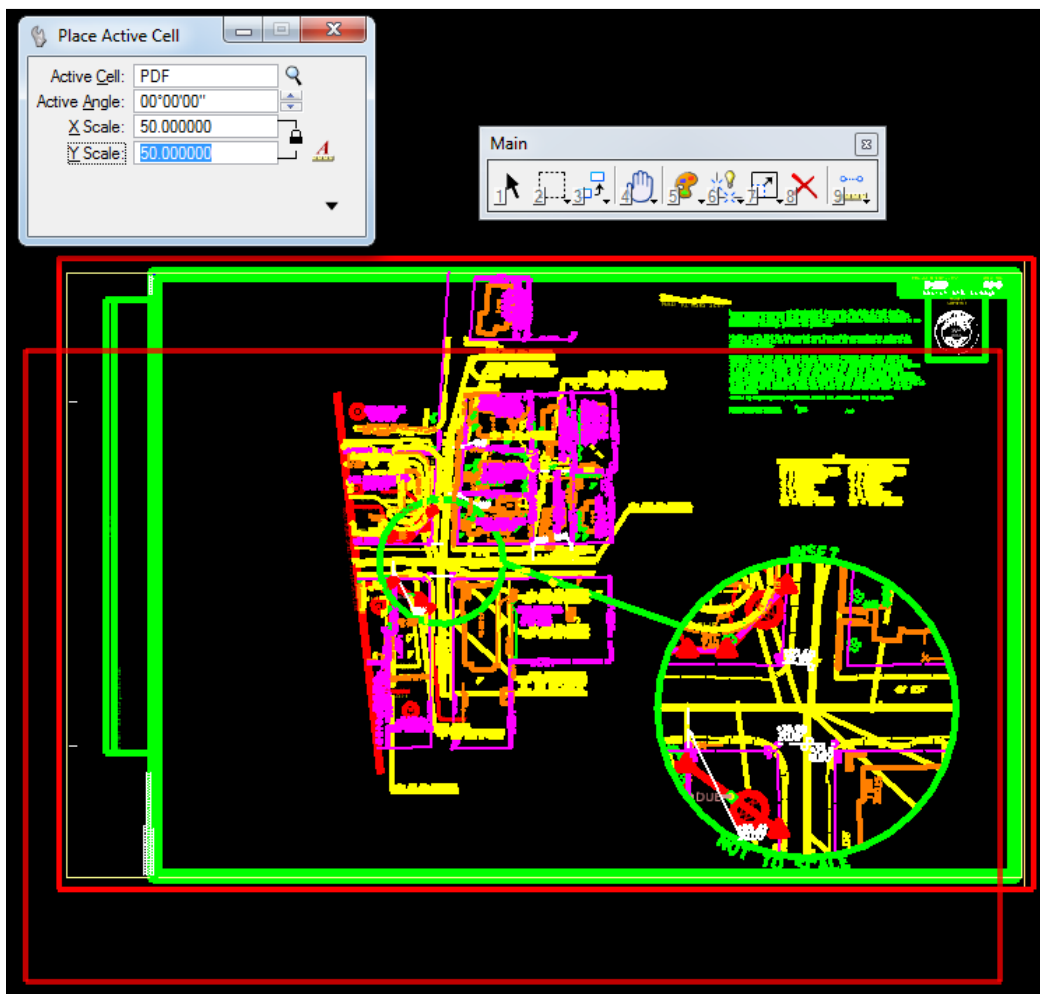


Save Settings

When the two filters have been chosen the appropriate levels should be displayed. Once the correct levels are displayed go to the MicroStation main menu and chose 'Save Settings'. There are instances where The 'Print Organizer' function will plot incorrect levels unless the 'Save Setting' option is chosen prior to printing.

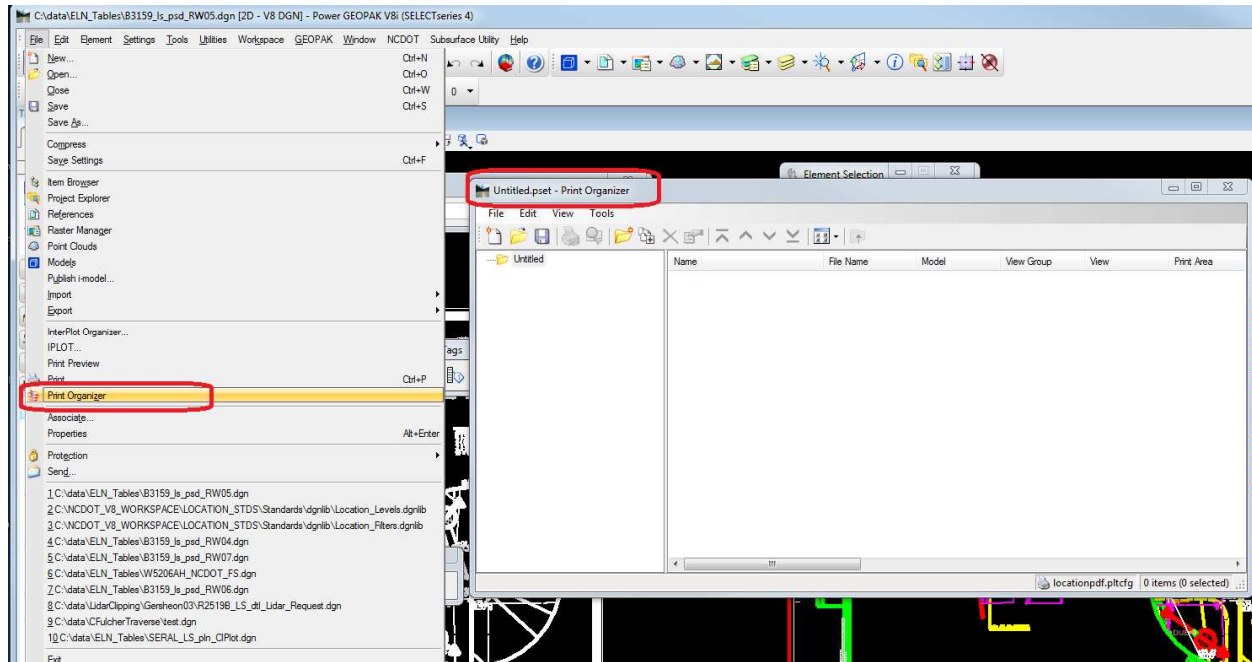
Creating the Scale and Plotting Limits

The scale and plotting limits are defined by plotting a cell called 'PDF' at the appropriate scale and position. Use the 'Place Active Cell' tool and choose the 'PDF' cell to plot. Enter the correct scale, typically 50.0. The Active Angle is typically set to 0.0. The sheet border should have already been plotted in the course of drafting the RW sheet. Align the PDF insertion point with the lower left corner of the previously plotted RW border and place the PDF cell. Placing the PDF cell is all that needs to be done to set the correct scale and plotting limits.

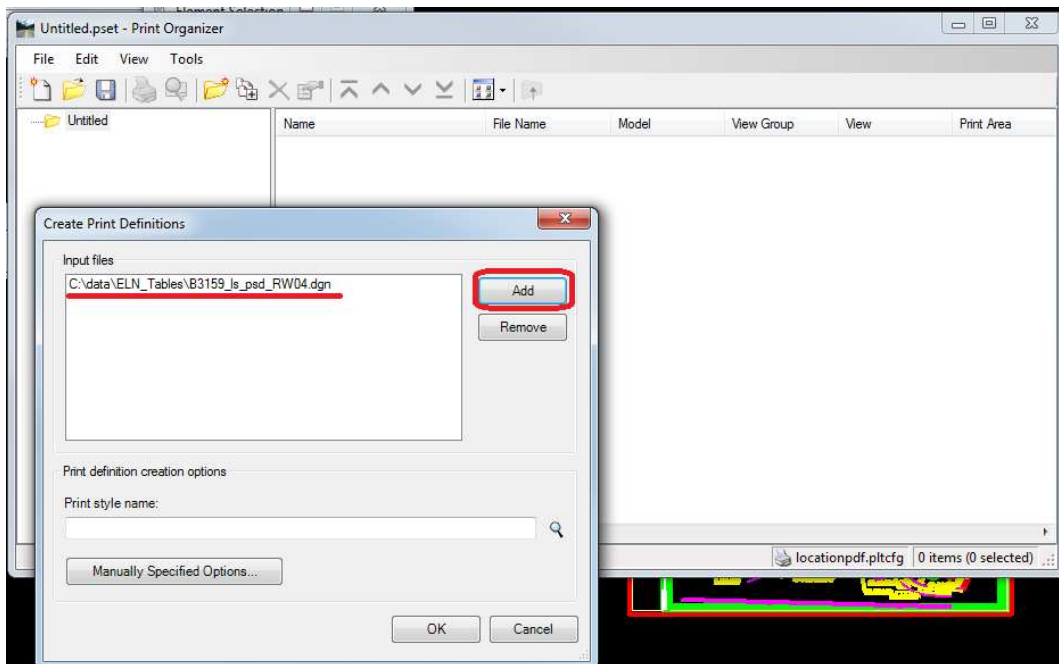


Using Print Organizer to Create the Greyscale PDF File

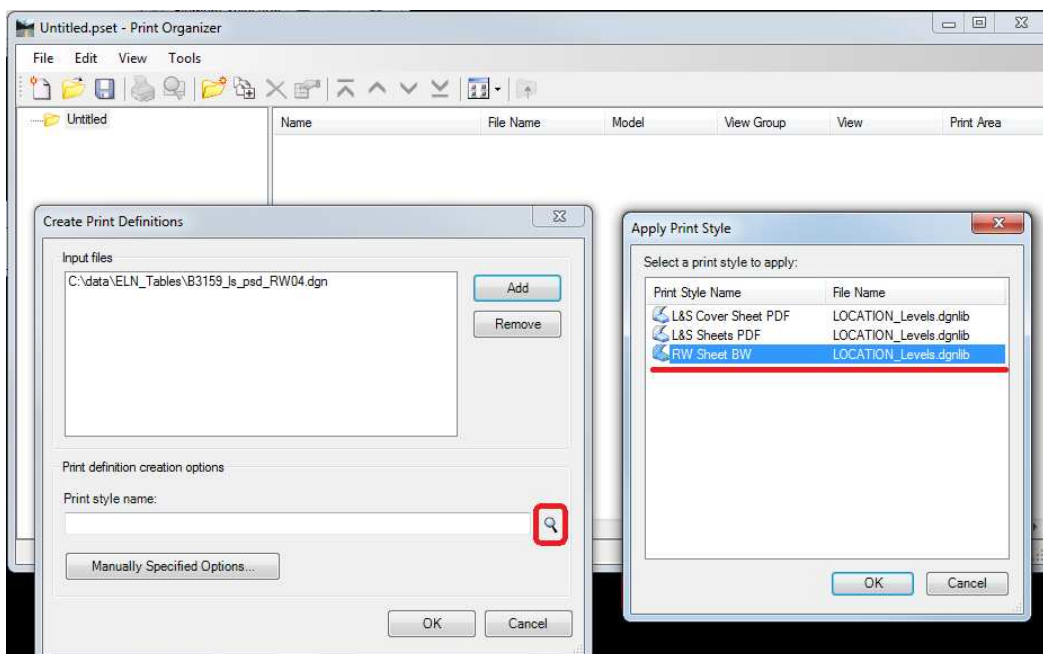
The 'Print Organizer' menu option is the tool used to create the greyscale PDF. The 'Print Organizer' tool is found in the main MicroStation menu as shown below.



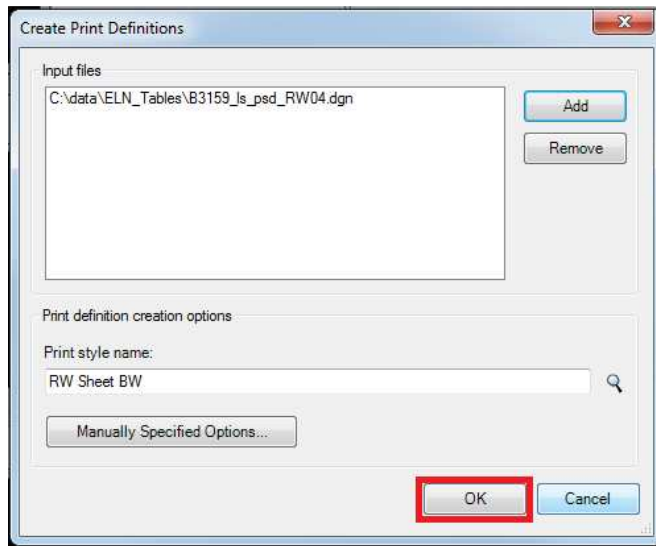
Use the 'Add Files to Set' button from the main 'Print Organizer' toolbar. Choose the .dgn file that is to be plotted.



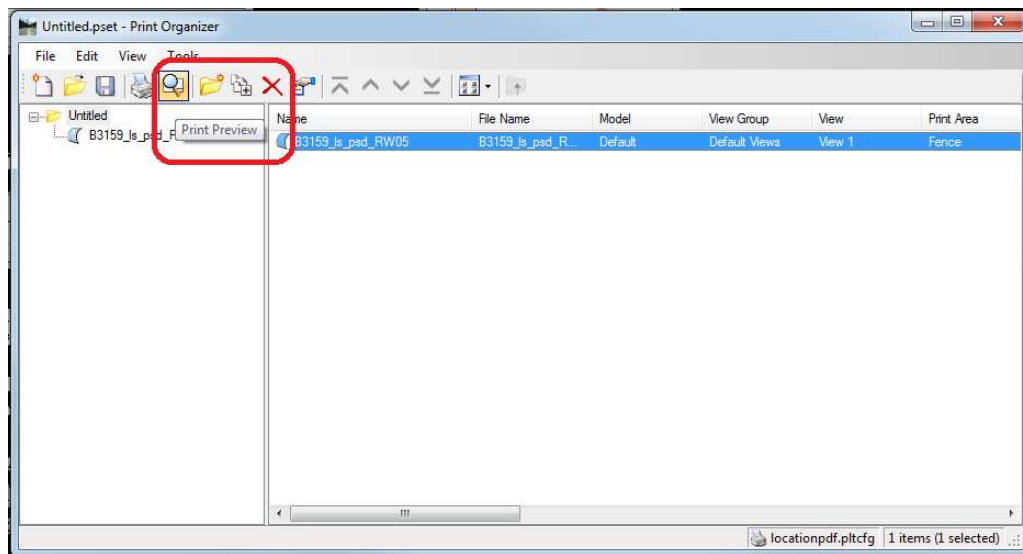
Next, Choose the 'Print style name' 'RW Sheet BW'.



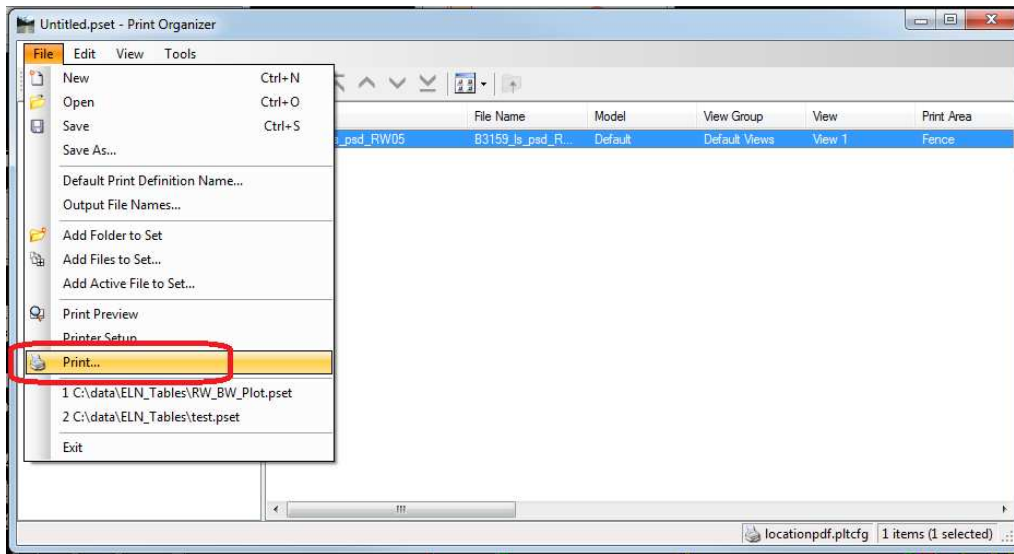
When the correct dgn file and print style has been chosen exit the dialog box via 'OK'.



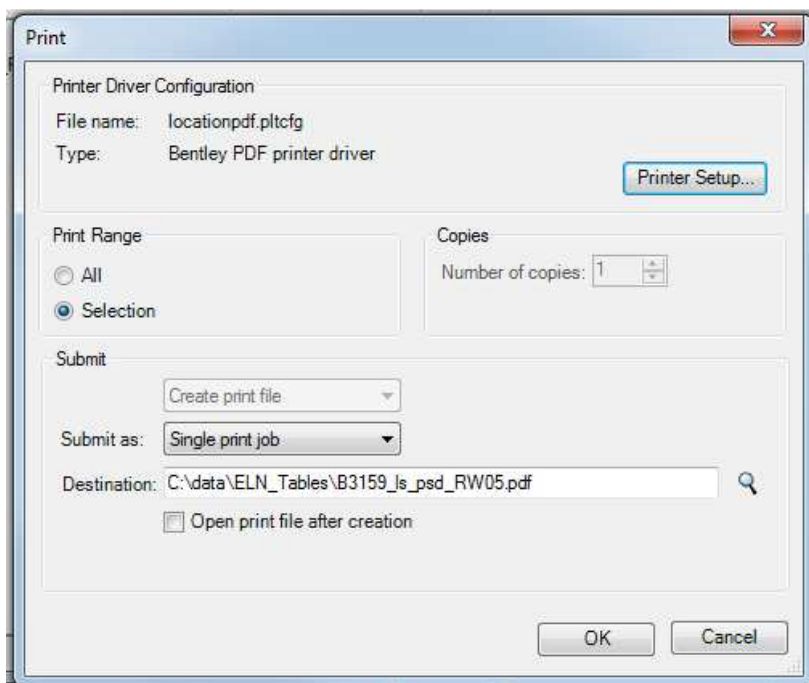
This is a good time to do a 'Print Preview'. Press the 'Print Preview' button. A preview of the greyscale plot should be displayed.



If there are no apparent problems in the 'Print Preview' choose the 'Print...' menu option.



Enter the name of the PDF file to create and press OK.



A PDF containing all the correct RW levels plotted in black and all other levels plotted in grey should be created.

